# ANNUAL REPORT BRAZORIA COUNTY STORM WATER QUALITY COALITION

### TPDES PERMIT NO.

Brazoria County (TXR040154)
City of Lake Jackson (TXR040140)
City of Freeport (TXR040135)
City of Clute (TXR040139)
City of Richwood (TXR040141)
City of Angleton (TXR040136)
City of Alvin (TXR040138)
Velasco Drainage District (TXR040142)
Angleton Drainage District (TXR040137)
Brazoria County C & R District No. 3 (TXR040148)
Brazoria Drainage District No. 4 (TXR040144)

### DATE SUBMITTED: REPORT YEAR: 2

REPORTING PERIOD: AUGUST 13, 2008 – AUGUST 12, 2009

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Entity:	Brazoria County
Name:	
Title:	
Signature:	
Date:	

Entity:	City of Lake Jackson
Name:	
Title:	
Signature:	
Date:	

Entity:	City of Freeport	
Name:		
Title:		
Signature:		
Date:		

Entity:	City of Clute
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Entity:	City of Richwood	
Name:		
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Date:		

Entity:	City of Angleton	
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Date:		

Entity:	City of Alvin
Name:	
Title:	
Signature:	
Date:	

Entity:	Velasco Drainage District
Name:	
Title:	
Signature:	
Date:	

Entity:	Angleton Drainage District
Name:	
Title:	
Signature:	
Date:	

Entity:	Brazoria County Conservation and Reclamation District No. 3
Name:	
Title:	·
Signature	
Date:	

Entity:	Brazoria Drainage District No. 4
Name:	
Title:	
Signature:	
Date:	

## 1.0 Status of Compliance with Permit Conditions [Permit Item IV.B.2(a)iv,v]

The Coalition developed and submitted a Storm Water Management Program (SWMP) and permit application form as required by the permit. The TCEQ reviewed and approved the SWMP, implementation schedule, and measurable goals. All members of the Coalition have been assigned permit numbers which can be found on the cover page. The Coalition is currently implementing the SWMP as submitted and has complied with the reporting requirements to this point.

# 2.0 Assessment of Appropriateness of Identified BMPs [Permit Item IV.B.2(a)ii]

The Coalition selected the BMPs included in the SWMP based on the requirements of permit requirements included in each minimum control measure. The BMPs selected are currently considered appropriate for reducing the discharge of storm water pollutants. The SWMP was reviewed by the TCEQ to determine if the SWMP met the MEP. The Coalition created an addendum to the SWMP in response to the TCEQ comments.

# 3.0 Progress towards achieving the statutory goal of reducing the discharge of pollutants to the MEP [Permit Item IV.B.2(a)iii]

The Coalition has developed and is implementing a SWMP consistent with the six minimum control measures required for meeting the statutory MEP requirement. It is difficult to quantify the reduction of pollutants discharged based on the implementation of some BMPs. One illicit discharge was detected and eliminated as a result of the Coalition's dry weather screening efforts this permit year.

# 4.0 Status of BMP Implementation and Assessment of Appropriateness and Effectiveness of BMPs [Part IV.B.2.(a)ii]

MCM	BMP	Implementation Date	Implemented	Appropriate
1	Flyers and Brochures	8/13/2011	Not Due	Yes
1	Impacts of Illegal Dumping and Littering	8/13/2010	Not Due	Yes
1	Distribute Materials to Local Schools	8/13/2010	Not Due	Yes
1	Education of Construction Site Personnel	8/13/2009	Yes	Yes
1	Public Service Announcements	8/13/2011	Not Due	Yes
1	Storm Drain Marking	8/13/2012	Not Due	Yes
1	Tax Bill Messages/Direct Mailing	8/13/2009	Yes	Yes
1	Multi-Jurisdiction Storm Water Website	8/13/2010	Not Due	Yes

2	SWMP Committee	8/13/2011	Not Due	Yes
2	Conduct Public Meetings	8/13/2011	Not Due	Yes
2	Storm Water Hotline	8/13/2010	Not Due	Yes
2	City-wide Cleanup	8/13/2009	Yes	Yes
3	Maintain and update the MS4 Outfall Inventory Map	8/13/2011	Not Due	Yes
3	MS4 Outfall Inspection (Dry Weather Inspection of Outfalls)	8/13/2009	Yes	Yes
3	Local Illicit Discharge Regulations	8/13/2010	Not Due	Yes .
4	Construction SWP3 Review and Permit Compliance	8/13/2010	Not Due	Yes
4	Construction Site Inspection	8/13/2010	Not Due	Yes
4	Local Construction Regulations	8/13/2010	Not Due	Yes
4	Construction Site Notice Posting	8/13/2010	Not Due	Yes
5	Development Project Plan Review	8/13/2010	Not Due	Yes
5	Inspection of Post Construction Control Measures	8/13/2010	Not Due	Yes
5	Local Post Construction Site Runoff Regulations	8/13/2010	Not Due	Yes
6	Litter/Garbage Collection	8/13/2010	Not Due	Yes
6	Pesticide and Herbicide Application	8/13/2009	Yes	Yes
6	Maintenance of Roadways and Park Areas	8/13/2009	Yes	Yes
6	Vehicle and Equipment Maintenance	8/13/2011	Not Due	Yes
6	Spill Prevention Plans	8/13/2010	Not Due	Yes
6	Employee Training	8/13/2010	Not Due	Yes

	Program			
6	Disposal of Waste	8/13/2009	Yes	Yes
6	Maintenance Office and Stockpile Material Storage Areas	8/13/2010	Not Due	Yes
6	Storm Sewer System Maintenance	8/13/2011	Not Due	Yes
6	Maintain Municipally Owned Construction Sites	8/13/2011	Not Due	Yes
6	Municipal Parking Lots	8/13/2011	Not Due	Yes
6	Roadway Deicing Procedures	8/13/2011	Not Due	Yes
6	Municipally Owned Industrial Facilities	8/13/2009	Yes	Yes

# 5.0 Progress Towards Achieving the Measurable Goals [Permit Item IV.B.2(a)iv,v]

MCM-	were BMP	Measurable Goals	Goal-Met
1	Flyers and Brochures	Distribute or post at least 2 types of available brochures per year (years 4 & 5)	Not Due
1	Impacts of Illegal Dumping and Littering	Distribute or post at least 2 types of available brochures per year (years 3,4,5)	Not Due
1	Distribute Materials to Local Schools	Ensure at least 1 type of material is distributed annually to the local schools (years 3,4,5)	Not Due
1	Education of Construction Site Personnel	Make available to construction site personnel at least 1 guidance on construction site runoff issues each year (years 2,3,4,5)	Yes
1	Public Service Announcements	Provide at least 1 PSA to be aired by the local media whenever possible at least once per permit term (years 4,5)	Not Due
1	Storm Drain Marking	Mark approximately 100% of permanent drains by the end of the permit term. (year 5)	Not Due
1	Tax Bill Messages/Direct Mailing	Distribute one tax bill message/direct mailing per year. (years 2,3,4,5)	Yes
1	Multi- Jurisdiction Storm Water	Update website at least once per permit term. (years 3,4,5)	Not Due

	Website		
_	SWMP	Invite local groups to participate at least	Not Due
2	Committee	once per permit term (years 4, 5)	
2	Conduct Public Meetings	Invite local group to attend public meetings and perform public meetings at least once per permit term (years 4, 5)	Not Due
2	Storm Water Hotline	Receive and consider each storm water call. (years 3,4,5)	Not Due
2	City-wide Cleanup	Conduct 1 city-wide clean-up per year (years 2,3,4,5)	Yes
3	Maintain and update the MS4 Outfall Inventory Map	Conduct 1 review of the map per permit term.  (years 4,5)	Not Due
3	MS4 Outfall Inspection (Dry Weather Inspection of Outfalls)	Inspect 100% of the outfalls once per permit term. (25% per year) (years 2,3,4,5)	Yes
3	Local Illicit Discharge Regulations	Enforce the local illicit discharge regulations as needed. (years 3,4,5)	Not Due
4	Construction SWP3 Review and Permit Compliance	Review construction plans that will result in the disturbances of greater than or equal to one acre, or are part of a common plan of development or sale that will result in the disturbance of one or more acres for compliance with the local construction regulations on an as needed basis (years 3,4,5)	Not Due
4	Construction Site Inspection	Conduct inspections according to the local construction regulations (years 3,4,5)	Not Due
4	Local Construction Regulations	Enforce the local construction regulations as needed. (years 3,4,5)	Not Due
4	Construction Site Notice Posting	Post an appropriate site notice at each Coalition construction site subject to the TCEQ Construction General Permit (years 3,4,5)	Not Due
5	Development Project Plan Review	Review construction plans for the inclusion of appropriate post-construction controls on an as needed basis (years 3,4,5)	Not Due
5	Inspection of Post Construction	Conduct at least 1 inspection of control measures per permit term	Not Due

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	Control Measures	(years 3,4,5)	
	Local Post	Enforce the local post construction site	Not Due
5	Construction Site Runoff	runoff regulations as needed (years 3,4,5)	
	Regulations		
	Litter/Garbage	Collect litter/garbage at least once per year	Not Due
6	Collection	for each identified area included in the program (years 3,4,5)	
ļ	Pesticide and	Maintain at least 1 licensed applicator if	Yes
6	Herbicide	herbicide or pesticide is to be applied	
-	Application	(years 2,3,4,5)	
	Maintenance of	Implement a P3 or SWP3 on City	Yes
6	Roadways and	maintenance projects requiring formal	
U	Park Areas	plans and specifications	
	·	(years 2,3,4,5)	37 . 3
	Vehicle and	Perform inspections and maintenance	Not Due
6	Equipment	activities as indicated by manufacturer's	
	Maintenance	specifications (years 4, 5)  Maintain SPCC plans for permittee owned	Not Due
6	Spill Prevention	facilities requiring SPCC plans	140t Due
O	Plans	(years 3,4,5)	
	Employee	Conduct at least one training program per	Not Due
6	Training	permit term	
	Program	(years 3,4,5)	
6	Disposal of	Properly dispose of waste materials on a	Yes
	Waste	routine basis (years 2,3,4,5)	
	Maintenance	Conduct an inspection of each pollution	Not Due
	Office and	prevention plan at least once per permit	
6	Stockpile	term (years 3,4,5)	
	Material Storage Areas		
	Storm Sewer	Inspect/maintain approximately 50% of the	Not Due
6	System	system per year (years 4,5)	1101240
	Maintenance		
	Maintain	Inspect and maintain municipally owned	Not Due
	Municipally	construction sites as required by the TCEQ	
6	Owned	Construction General Permit (years 4,5)	
	Construction		
	Sites		
6	Municipal	Inspect/maintain municipal parking areas at	Not Due
	Parking Lots	least once per year (years 4,5)	37.475
	Roadway	Properly use and remove deicing material.	Not Due
6	Deicing	(years 4,5)	
		I and the second	i .
	Procedures  Municipally	Comply with the TCEQ MSGP at municipally	Yes

Facilities	MSGP coverage (years 2,3,4,5)

# 6.0 Status of Any Additional Control Measures [Permit Item IV.B.2(b)]

The Coalition is currently implementing the required six minimum control measures and is not implementing additional control measures.

# 7.0 Any MCM Activities Initiated Before Permit Issuance (First Report Only) [Permit Item IV.B.2(c)]

N/A

# 8.0 Results of Information Collected and Analyzed, if any, During the Reporting Period, Including Monitoring Data Used to Assess the Success of the Program at Reducing the Discharge of Pollutants the MEP [Permit Item IV.B.2(d)]

-MCM =	- <b>BMP</b> +	Records to be Maintained and Summarized in Annual Reports	Summary of Data
1	Flyers and	Estimated quantities of materials	Implementation
1 1	Brochures	distributed or posted	Not Due
1	Impacts of Illegal Dumping and Littering	Estimated quantities of educational materials distributed to the public regarding the impacts of illegal dumping and littering	Implementation Not Due
	Distribute	The identities of the targeted schools and	Implementation
1	Materials to Local Schools	the estimated quantities of education materials distributed.	Not Due
1	Education of Construction Site Personnel	Estimated quantities of educational materials or guidance documents distributed	11 Posters (One for entity), 300 Brochures, and 200 Door Hangers
1	Public Service Announcements	Number of different PSA's being aired by local media	Implementation Not Due
1	Storm Drain Marking	Number of storm drains marked	Implementation Not Due
1	Tax Bill Messages/Direct Mailing	Estimated number of tax bill messages/direct mailings distributed.	????????
1	Multi-Jurisdiction Storm Water Website	The number of website updates and estimated number of hits.	Implementation Not Due
2	SWMP Committee	The names of committee members and the number of committee meetings held	Implementation Not Due
2	Conduct Public Meetings	The number of public meetings held and associated sign in sheets	Implementation Not Due

2	Storm Water Hotline	The estimated number of calls received	Implementation Not Due
2	City-wide Cleanup	The estimated volume of litter collected	??????????
	Maintain and	By the third year, update the map with	Implementation
3	update the MS4 Outfall Inventory Map	new drainage structures and outfalls as needed	-Not-Due
3	MS4 Outfall Inspection (Dry Weather Inspection of Outfalls)	Outfall inspections and investigations for each outfall	Approximately 25% of all outfalls screened
3	Local Illicit Discharge Regulations	The number of enforcement actions issued based on the local illicit discharge regulations.	Implementation Not Due
4	Construction SWP3 Review and Permit Compliance	The number of plans reviewed and approved for construction under this program	Implementation Not Due
4	Construction Site Inspection	The number of construction site inspections performed and construction sites active and subject to the TCEQ Construction General Permit	Implementation Not Due
4	Local Construction Regulations	The number of enforcement actions issued based on the local construction regulations	Implementation Not Due
4	Construction Site Notice Posting	Quantity of site notices posted and the number of public reports received and considered under this program	Implementation Not Due
5	Development Project Plan Review	Development plans reviewed and approved under this program	Implementation Not Due
5	Inspection of Post Construction Control Measures	Inspection records and documentation of maintenance activities performed as a result of the inspection process	Implementation Not Due
5	Local Post Construction Site Runoff Regulations	The number of enforcement actions issued based on the local post construction site runoff regulations	Implementation Not Due
6	Litter/Garbage Collection	The estimated volumes of litter/garbage removed	Implementation Not Due
6	Pesticide and Herbicide Application	The appropriate licensing for City personnel responsible for the applications	Each applicable entity has appropriate licensing

	Maintenance of Roadways and Park Areas	Maintenance projects and the number of SWP3s developed and implemented	Developed and finalized the standard SWP3 and guidance document. No plans were implemented this
6			year as the standard SWP3 and guidance document were not completed until the end of this reporting period.
6	Vehicle and Equipment Maintenance	The number of vehicles to be maintained	Implementation Not Due
6	Spill Prevention Plans	The number of facilities with Spill Prevention Control and Countermeasure (SPCC) plans and the current status of each SPCC plan	Implementation Not Due
6	Employee Training Program	The number of employees trained	Implementation Not Due
б	Disposal of Waste	Documentation regarding the disposal procedures for collected dredge spoil, accumulated sediments and floatables	Disposal of waste procedures for each entity can be found in Attachment A
6	Maintenance Office and Stockpile Material Storage Areas	The number of pollution prevention plans developed and associated inspection records	Implementation Not Due
6	Storm Sewer System Maintenance	The estimated number of catch basins cleaned and/or repaired/inspected. Estimated linear feet of ditching completed in order to maintain flow line and remove sediment. Estimated volume of floatables removed from the system.	Implementation Not Due
6	Maintain Municipally Owned Construction Sites	The number of municipal construction sites maintained	Implementation Not Due
6	Municipal Parking Lots	Estimated number of parking lot inspections	Implementation Not Due
6	Roadway Deicing Procedures	The number of deicing events and material removal actions completed	Implementation Not Due
6	Municipally Owned Industrial Facilities	The name, permit number and permit compliance status of each municipally owned industrial facility	Copies of permit certificates for each municipally owned industrial facility are located in Attachment B

# 9.0 Summary of the Storm Water Activities to be Undertaken During the Next Reporting Cycle (Including an Implementation Schedule) [Permit Item IV.B.2(e)]

The Coalition plans to continue implementation of the submitted SWMP according to the proposed implementation schedule. The BMPs highlighted in the implementation schedule below will be implemented during the next reporting cycle.

MCNI District	BMP a second and a second seco	
1	Flyers and Brochures	Year 4
1	Impacts of Illegal Dumping and Littering	Year 3
11	Distribute Materials to Local Schools	Year 3
1	Education of Construction Site Personnel	Year 2
1	Public Service Announcements	Year 4
1	Storm Drain Marking	Year 5
1	Tax Bill Messages/Direct Mailing	Year 2
1	Multi-Jurisdiction Storm Water Website	Year 3
2	SWMP Committee	Year 4
2	Conduct Public Meetings	Year 4
2	Storm Water Hotline	Year 3
2	City-wide Cleanup	Year 2
3	Maintain and update the MS4 Outfall Inventory Map	Year 4
3	MS4 Outfall Inspection (Dry Weather Inspection of Outfalls)	Year 2
3	Local Illicit Discharge Regulations	Year 3
4	Construction SWP3 Review and Permit Compliance	Year 3
4	Construction Site Inspection	Year 3
4	Local Construction Regulations	Year 3
4	Construction Site Notice Posting	Year 3
5	Development Project Plan Review	Year 3
5	Inspection of Post Construction Control Measures	Year 3
5	Local Post Construction Site Runoff Regulations	Year 3
6	Litter/Garbage Collection	Year 3
6	Pesticide and Herbicide Application	Year 2
6	Maintenance of Roadways and Park Areas	Year 2
6	Vehicle and Equipment Maintenance	Year 4
6	Spill Prevention Plans	Year 3
6	Employee Training Program	Year 3
6	Disposal of Waste	Year 2
6	Maintenance Office and Stockpile Material Storage Areas	Year 3
6	Storm Sewer System Maintenance	Year 4
6	Maintain Municipally Owned Construction Sites	Year 4

6	Municipal Parking Lots	Year 4
6	Roadway Deicing Procedures	Year 4
6	Municipally Owned Industrial Facilities	Year 2

# 10.0 Proposed Changes to the SWMP Including Changes to any BMPs or Identified Measurable Goals that Apply to the Program Elements [Permit Item V.B.2(f)]

The Coalition currently has no proposed modifications to the Best Management Practices, Implementation Schedule or Measurable Goals in this minimum control measure.

# 11.0 The number of municipal construction activities authorized under this general permit and the total number of acres disturbed [Permit Item IV.B.2(g)]

The Coalition has not selected to implement the optional seventh minimum control measure and will authorize municipal construction projects separately under the construction general permit. The Coalition has conducted ?? projects that currently have permit coverage under the construction general permit. The total number of acres disturbed for the combined permitted projects is ???.

# 12.0 The number of non-municipal construction activities that occurred within the jurisdiction of the permittee (as noticed to the permittee by the construction operator) [Permit Item IV.B.2(h)]

The Coalition has received? construction notices for construction activities occurring within its jurisdiction. The Coalition will implement the construction site runoff minimum control measure according to the submitted implementation schedule. The implementation efforts include educating the construction community on submitting information and notices to the Coalition during construction permitting process.

# 13.0 Notice that the MS4 operator is relying on an another government entity [Permit Item IV.B.2(i)]

Brazoria County, City of Lake Jackson, City of Freeport, City of Clute, City of Richwood, City of Angleton, City of Alvin, Velasco Drainage District, Angleton Drainage District, Brazoria County C & R District No. 3, and Brazoria Drainage District No. 4 developed and submitted their SWMPs together, and will be working together as a coalition during the implementation process. The attached sheets list the responsible entities for each BMP. The drainage districts will comply with the TCEQ Construction General Permit for drainage projects. The drainage districts do not have adequate legal authority necessary to develop ordinances. The district's jurisdiction overlaps with the city's and the county's jurisdictions for the entire urbanized area. Therefore, the district will rely on the cities' and the county's ordinance and legal powers to regulate construction site runoff and post construction site runoff. The cities will issue construction permits and conduct plan reviews within the drainage districts' jurisdictions. The primary purpose of the coalition is to allow these necessary relationships and is

supported by an inter-local agreement formalizing the relationships. The inter-local agreement will state that the cities'/county will be conducting "impacts of illegal dumping and littering" and "distribute materials to local schools" on behalf of the drainage districts. The drainage districts will provide funds to help facilitate these efforts. The drainage districts do not actually claim ownership of any storm drain inlets which is why they did not elect to participate in "Storm Drain Marking".